

## **ABSTRACT**

There is provided a hydro-power generating system including a wheel assembly having at least one rotatable wheel. The rotatable wheel is adapted to interface with moving water. The rotatable wheel rotates when contacting moving water, thereby generating power. An elongated rigid structure is provided with at least a portion thereof located above the rotatable wheel. The elongated rigid structure is secured so that the moving water will not cause the elongated rigid structure to move substantially. The wheel assembly includes at least one floatation member wherein the rotatable wheel will only be partially submerged in the moving water. The wheel assembly is connected to the elongated rigid structure so that the wheel assembly is held in place in the moving water. The wheel assembly is slidably connected to the elongated rigid structure so that the rotatable wheel may move vertically as the level of the moving water changes. A funnel and a screen are situated adjacent to and upstream of the wheel assembly.